

SINGLE SUPPLY LEVEL CONVERTER

ABSTRACT OF THE INVENTION

5 A level converter for interfacing two circuits supplied by different supply
voltages, and integrated circuit including the level converter interfacing circuit in two
different voltage islands. A first buffer is supplied by a virtual supply and receives an
input signal from a lower voltage circuit. The first buffer drives a second buffer, which is
supplied by a higher supply voltage. An output from the second buffer switches a supply
10 select to selectively pass the higher supply voltage or a reduced supply voltage to the first
buffer.